

ECS Configuration Change Request

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Page(s)

1. Originator Cherry Kenney	2. Log Date: 11/7/01	3. CCR #: 01-0866	4. Rev: -	5. Tel: 301-883-4177	6. Rm #: 3204D	7. Dept. DEV/SWIT
8. CCR Title: PATCH_6A.04_INGEST.03 For All DAACs. Contains fixes for Three Sev-2 NCRs and Three Sev 3 NCRs.						
9. Originator Signature/Date /s/ Cherry Kenney 11/07/01		10. Class II	11. Type: CCR	12. Need Date: 07Nov01		
13. Office Manager Signature/Date /s/ Arthur Cohen 11/7/01		14. Category of Change: Initial ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 27). Emergency		
16. Documentation/Drawings Impacted:		17. Schedule Impact:		18. CI(s) Affected: INGEST cm		
19. Release Affected by this Change: 6A		20. Date due to Customer: 07Nov01		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: 31639, 30625, 30115, 31952, 29095, 32280						
23. Problem: (use additional Sheets if necessary) ECSed31639 - Ingest has defect in request submission to SDSRV after SDSRV bounced ECSed30625 - OPS:5B.06:SA:e0icg11:InPolling.MODAPS not going into sleep ECSed30115 - INGEST needs to add EMOS ShortNames to database ECSed31952 - Duplicate AST_L1A and AST_L1B entries in InSourceMCF ECSed29095 - Change StorageMgmtKey from "ACM1_" to "ICL1_" See page two for Additional NCR						
24. Proposed Solution: (use additional sheets if necessary) Tarfile was made on October 23, 2001. PATCH_6A.04_INGEST.03 must be loaded on top of PATCH_6A.04_INGEST.02 ONLY. INGEST patches must be installed in the following order, PATCH_6A.04_INGEST.01, PATCH_6A.04_INGEST.02.. and Patch_6A.04_INGEST.03. ALL DAACs PLEASE ADHERE TO THE INSTRUCTIONS GIVEN.						
25. Alternate Solution: (use additional sheets if necessary) Wait until next s/w release.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Delays in getting fixes to the field, DAACs must continue to work around problems						
27. Justification for Emergency (If Block 15 is "Emergency"): Corrections are required at All DAACs to continue operational testing of 6A04.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): /s/ Byron Peters 11/7/01		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB				
33. M&O CCB Chair (Sign/Date): /s/ Debra Stepp 11/7/01		Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB				

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34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS
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CM01JA00 Revised 10/15/01

ECS/EDF/SCDV/M&O

ADDITIONAL SHEET

CCR #: 01-0866 **Rev:** - **Originator:** Cherry Kenney

Telephone: 301-883-4177 **Office:** 3204D

Title of Change: PATCH_6A.04_INGEST.03 For All DAACs. Contains fixes for Three Sev-2 NCRs and Three Sev 3 NCRs.

Actions

Clearcase:

Please build tar file from the 6A04NOFW baseline for the following packages:

SGI

.EcInAPCSVR.pkg
.EcInDatabase.pkg
.EcInINTFCSVR.pkg

SUN

.EcInGUIOPSWWS.pkg
.EcInEMAILSVR.pkg

Please name the tarfile Patch_6A.04_INGEST.03

DAAC INSTALL INSTRUCTIONS

1. Get TAR File from SMC distribution;

List of packages:
.EcInAPCSVR.pkg
.EcInDatabase.pkg
.EcInINTFCSVR.pkg
.EcInGUIOPSWWS.pkg
.EcInEMAILSVR.pkg

2. If you are untarring the file for mutiple modes then untar the file as "cmshared" or change the permissions in the staging area on the file listed below:

```
cd/<distribution_directory>/<stage_directory>/SUN/CUSTOM/dbms
chmod 744 INS/EcInDbLogin
```

after you untar the file. Ensure that you update ECS Assist when prompted. Please remember that you must be logged in as "root" when you update ECS Assist.

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3. Use E.A.S.I. to perform an automated installation of all five packages listed in step 1

For information on how to use E.A.S.I. please refer to the 609 CDRL.

4. On the xxicgxx machine, patch the INGEST database as necessary:

- a. Identify the current version of the INGEST database. If the database version is less than 6137, run DbPatch from the ECS Assist Subsystem Manager (select DBPatch from the Database menu after having selected the mode, subsystem (INGEST), and component (Ecln) in the GUI).

5.. Do not patch the registry for this delivery. There are no configuration changes for this patch.

6.. Restart INGEST servers

7. . Make sure the INGEST servers are up and running. Check the output logs for any errors.
not patch the registry for this delivery. There are no configuration changes for this patch.

***** END OF INSTALLATION INSTRUCTION *****

Item 23: Problems continued

ECSed32280 - New GLAS descriptor GLAANC39 needs to be added to the ingest database

Summary of all NCR fixes

Summary of NCRs

ECSed31639 - InGran does not reconnect to SDSRV has been bounced and restarted.

Files in Task:

/ecs/formal/DSS/sdsrv/src/cl/DsClRequest.cxx@ @/main/relb/wzhen_ncr31639_6A04_new/1

/ecs/formal/INGEST/Preprocess/src/code2/InDataServerInsertionTask.C@ @/main/relb/wzhen_ncr31639_6A04_new/1

Test Instructions for Checkout Lab:

Run Polling or GWClient, bounce SDSRV. Bring SDSRV, check if InGran reconnects to SDSRV.

ECSed30625 - Put in a signal handler to deal with the spurious VTALRM signals generated in fork/exec calls on IRIX 65. Also, cleaned up the memory corruption found during debugging with purify.

Files in Task:

/ecs/formal/CSS/DOF/src/PF/pf/EcSpool.c@ @/main/relb/mprimett_NCR30625_NOFW/1

/ecs/formal/INGEST/common/src/Messages/InLongDAA.C@ @/main/relb/mprimett_NCR30625_NOFW/1

/ecs/formal/INGEST/common/src/ftp/CsFtFTP.cxx@ @/main/relb/mprimett_NCR30625_NOFW/1

/ecs/formal/INGEST/common/src/hostinfo/EcUtHostInfo.cxx@ @/main/relb/mprimett_NCR30625_NOFW/1

Test Instructions for Checkout Lab:

Start up a MODAPS polling server cold and observe that it does not hang after a SYBASE error on a PDR.

ECSed31952: Add new trigger InSMCFInsertTrig to InSourceMCF table.

ECSed30115: Add 10 EMOS VersionID "001" ESDTs to Ingest (Patch6133).

Files in Task:

/ecs/formal/INGEST/.EclnDB.iu@ @/main/relb/maint_6A04/dhope_Ingest_InsertTrig_6A04/1

/ecs/formal/INGEST/.EclnDB.iu@ @/main/relb/maint_6A04/dhope_Ingest_InsertTrig_6A04/2

/ecs/formal/INGEST/.cfgpatch@ @/main/relb/maint_6A04/dhope_Ingest_InsertTrig_6A04/1

/ecs/formal/INGEST/.cfgpatch@ @/main/relb/maint_6A04/dhope_Ingest_InsertTrig_6A04/2

/ecs/formal/INGEST/.dbparms@ @/main/relb/maint_6A04/dhope_Ingest_InsertTrig_6A04/1

/ecs/formal/INGEST/common/src/sybase/EclnDbCheckObjects.sql@ @/main/relb/dhope_Ingest_InsertTrig_6A04/1

/ecs/formal/INGEST/common/src/sybase/EclnDbInitialDatagsfc.sql@ @/main/relb/maint_6A04/dhope_Ingest_InsertTrig_6A04/

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/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6133.ksh@ @/main/dhope_Ingest_InsertTrig_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6133.sql@ @/main/dhope_Ingest_InsertTrig_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6133.sql@ @/main/dhope_Ingest_InsertTrig_6A04/2
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch@ @/main/relb/maint_6A04/dhope_Ingest_InsertTrig_6A04/1
/ecs/formal/INGEST/common/src/sybase/EclnDbReadMe.txt@ @/main/relb/maint_6A04/dhope_Ingest_InsertTrig_6A04/1
/ecs/formal/INGEST/common/src/sybase/InSMCFInsertTrig.sql@ @/main/dhope_Ingest_InsertTrig_6A04/1
/ecs/formal/INGEST/common/src/sybase@ @/main/relb/maint_6A04/dhope_Ingest_InsertTrig_6A04/1
/ecs/formal/INGEST/common/src/sybase@ @/main/relb/maint_6A04/dhope_Ingest_InsertTrig_6A04/2

Test Instructions for Checkout Lab:

Manually delete the duplicate entries in the InSourceMCF table in DEV06 and DEV08 of the Ingest database (After backing up the dbs).

Install via ECS Assist.

Patch to level 6133.

Check the log files for possible errors.

ECSed32280ECSed29095

B. Summary of all NCR fixes:

ECSed29095: Change the StorageMgmtKey from ACM1_ to ICL1_ (Patch6135).

ECSed32280: Add GLAS ESDT (GLAANC39) to Ingest database (Patch6137).

Files in Task:

/ecs/formal/INGEST/.EclnDB.iu@ @/main/relb/maint_6A04/maint_6A04NOFW/dhope_Ingest_ACM_GLAS_6A04NOFW/1
/ecs/formal/INGEST/.cfgpatch@ @/main/relb/maint_6A04/maint_6A04NOFW/dhope_Ingest_ACM_GLAS_6A04NOFW/1
/ecs/formal/INGEST/.dbparms@ @/main/relb/maint_6A04/maint_6A04NOFW/dhope_Ingest_ACM_GLAS_6A04NOFW/1
/ecs/formal/INGEST/common/src/sybase/EclnDbInitialDatagsfc.sql@ @/main/relb/maint_6A04/maint_6A04NOFW/dhope_Ingest_ACM_GLAS_6A04NOFW/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6135.ksh@ @/main/dhope_Ingest_ACM_GLAS_6A04NOFW/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6135.sql@ @/main/dhope_Ingest_ACM_GLAS_6A04NOFW/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6137.ksh@ @/main/dhope_Ingest_ACM_GLAS_6A04NOFW/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch6137.sql@ @/main/dhope_Ingest_ACM_GLAS_6A04NOFW/1
/ecs/formal/INGEST/common/src/sybase/EclnDbPatch@ @/main/relb/maint_6A04/maint_6A04NOFW/dhope_Ingest_ACM_GLAS_6A04NOFW/1
/ecs/formal/INGEST/common/src/sybase/EclnDbReadMe.txt@ @/main/relb/maint_6A04/maint_6A04NOFW/dhope_Ingest_ACM_GLAS_6A04NOFW/1
/ecs/formal/INGEST/common/src/sybase@ @/main/relb/maint_6A04/maint_6A04NOFW/dhope_Ingest_ACM_GLAS_6A04NOFW/1

Test Instructions for Checkout Lab:

NOTE: ALL PATCHES WILL NOW SKIP A PATCH LEVEL NUMBER.

Install via ECS Assist.

Ensure configurable parameter list window display 6137.

Run DB Patch.

Check log files for possible errors.

INGEST.03 Test Report

31639(T)- Ingest has defect in request submission to SDSRV after SDSRV bounced

Test plan:

1. Ingest data
 2. While data is ingesting, kill the SDSRV (during transferring only)
 3. Bring SDSRV backup, make sure InGran makes a new connection to SDSRV.
- Test Resolution: Attempted to ingest data, killed SDSRV --brought back up and made connection. Successfully verified.

30625(T)- OPS:5B.06:SA:e0icg11:InPolling.MODAPS not going into sleep

Test plan:

1. Set the request threshold limit within the Ingest GUI to 2
2. Attempt to ingest 6 PDRs (including some bad pdrs)

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3. Verify that Polling server does not hang

Test Resolution: Set request threshold, attempted to ingest bad pdrs --polling did not hang. Successfully verified.

30115(V)- INGEST needs to add EMOS Shortname to database

Test plan:

1. Issue the following SQL queries:

```
select DataType from InCurrentDataTypeMap where DataType like "%MMMS%"
```

```
select DataType from InDataTypeTemplate where DataType like "%MMMS%"
```

2. Verify that EMOS is in the database

Test Resolution: Executed queries. Successfully verified.

31952(V)- Duplicate AST_L1A and AST_L1B entries in InSourceMCF

Test plan:

1. Issue the following SQL queries:

a) Check for the presence of the new trigger:

```
select name from sysobjects where type = "TR" order by name
```

b) Try to insert a duplicate row into the InSourceMCF table when TargetParameter = NULL:

```
exec InSMCFInsert "ActSched", NULL, "LOCALGRANULEID", NULL, NULL, NULL,  
NULL, NULL, NULL, "Y", NULL, NULL, NULL
```

c) Try to insert a duplicate row into the InSourceMCF table when SourceParameter = NULL:

```
exec InSMCFInsert "AFIELD1", "CALENDARDATE", NULL, NULL, "DATE", NULL,  
NULL, NULL, NULL, NULL, NULL, NULL, NULL
```

d) Try to insert a duplicate row for rows that uses 4 columns to form uniqueness:

```
exec InSMCFInsert "WKAERSOL", NULL, "ENDHOUR", "int", "ENDDATETIME",  
"hh", "%02.0f", 624, 4, "N", NULL, NULL, NULL
```

e) Ensure that the trigger allows the insertion new rows:

```
exec InSMCFInsert "TESTROW", NULL, "ENDHOUR", "int", "ENDDATETIME",  
"hh", "%02.0f", 624, 4, "N", NULL, NULL, NULL
```

Test Resolution: Executed queries. Successfully verified.

29095(T)- Change StorageMgmtKey from "ACM1_" to "ICL1_"

Test plan:

1. Issue the following SQL query:

```
Select DataTypeIngestFtpkey, StorageMgmtkey from InDataTypeTemplate where StorageMgmt key = "ICL3_"  
(ICL1_ has been changed to ICL3_)
```

2. Verify that ICL3_ are in the database.

3. Issue the following SQL query:

```
select DataTypeIngestFtpkey, StorageMgmtkey from InDataTypeTemplate where StorageMgmt key = "ACM1_"
```

4. Verify that there are NO ACM1_ in the database.

Test Resolution: Executed queries. Successfully verified.

32280(T)- New GLAS descriptor GLAANC39 needs to be added to the ingest database

Test plan:

1. Issue the following SQL queries:

```
select DataType from InDataTypeTemplate where DataType = "GLAANC39"
```

```
select DataType from InCurrentDataTypeMap where DataType = "GLAANC39"
```

2. Verify GLAANC39 in the database

Test Resolution: Executed queries. Successfully verified.